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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/044,235	10/044,235 01/11/2002		Peter J. Black	PA010122	8976
23696	7590	06/27/2005		EXAM	INER
Qualcomm Patents Dep		ated	CORRIELUS, JEAN B		
	5775 Morehouse Drive				PAPER NUMBER
San Diego,	San Diego, CA 92121-1714				

DATE MAILED: 06/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	t \$						
	Application No.	Applicant(s)					
	10/044,235	BLACK ET AL.					
Office Action Summary	Examiner	Art Unit					
	Jean B Corrielus	2631					
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet w	vith the correspondence address					
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a rep - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statut - Any reply received by the Office later than three months after the mailir earned patent term adjustment. See 37 CFR 1.704(b). Status	136(a). In no event, however, may a oly within the statutory minimum of thi will apply and will expire SIX (6) MO e, cause the application to become A	reply be timely filed rty (30) days will be considered timely. NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).					
1) Responsive to communication(s) filed on <u>06 M</u>	<i>May 2005</i> .						
2a) ☐ This action is FINAL . 2b) ☐ This	action is non-final.						
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4) ☐ Claim(s) 1-17,19-32,34-36 and 38-49 is/are p 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) 1-17,19-32,34-36 and 38-49 is/are a 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o	awn from consideration. llowed.						
Application Papers							
9) The specification is objected to by the Examina 10) The drawing(s) filed on is/are: a) accomposition and accomposition and accomposition accomposition in the second accomposition and accomposition accom	cepted or b) objected to drawing(s) be held in abeya ction is required if the drawing	nce. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1.121(d).					
Priority under 35 U.S.C. §§ 119 and 120							
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority documents. Copies of the certified copies of the priority application from the International Bureat * See the attached detailed Office action for a list 13) Acknowledgment is made of a claim for domest since a specific reference was included in the firm 37 CFR 1.78. a) The translation of the foreign language print 14) Acknowledgment is made of a claim for domest the company of the foreign language print 14.	ts have been received. ts have been received in A prity documents have been the (PCT Rule 17.2(a)). t of the certified copies not tic priority under 35 U.S.C. rst sentence of the specific ovisional application has t	Application No In received in this National Stage It received. It is a provisional application or in an Application Data Sheet. It is a provisional application or in an Application Data Sheet. It is a provisional application Data Sheet.					

U.S. Patent and Trademark Office PTOL-326 (Rev. 11-03)

Notice of References Cited (PTO-892)
 Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)

Attachment(s)

6) Other:

4) Interview Summary (PTO-413) Paper No(s). _____ 5) Notice of Informal Patent Application (PTO-152) Application/Control Number: 10/044,235

Art Unit: 2637

DETAILED ACTION

Claim Objections

1. Claims 6, 12-14, 19, 22-23, and 38 are objected to because of the following informalities:

Claim 6, line 2, "a" should be replaced by "the".

Claim 12, line 9, "a" should be replaced by "the".

Claim 19, "(S1NR)" should be replaced by --(SINR)--.

Claim 22, line 3, "a" should be replaced by "the".

As per claim 23, the dependency should be changed from "21" to "22" because of the recitation "first loop" in claim 22 and "second; loop" in claim 23.

Claim 38 depends on claim 36. However, most of the limitations of claim 38 are included in claim 36. Therefore, claim 38 should be amended to remove any redundant limitations, otherwise recited in the base claim 36. For instance, claim 38 can be amended as follow:

--38. The digital signal processor of claim 36, wherein the loop filter is further operative to scale the error metric of the selected signal instance with a weight.—

note that any claim whose base claim is objected is likewise objected.

Appropriate correction is required.

2. This application is in condition for allowance except for the formal matters noted above.

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Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO**MONTHS from the mailing date of this letter.

Allowable Subject Matter

- 3. Claims 1-17, 19-32, 34-36, 38-49 are allowed. However, the claims should be amended, if necessary to overcome any objection set forth above.
- 13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jean B Corrielus whose telephone number is 571-272-3020. The examiner can normally be reached on Maxi-Flex.

If attempts to reach the examiner by telephone are unsuccessful, the 29%% examiner's supervisor, Jay Patel can be reached on 571-272-3086. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2637

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pairdirect.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (tollfree).

> Primary L... Art Unit 2637 6/23/05 Primary Examiner